



Newark Energy Center

The construction of the Newark Energy Center gas-fired power plant in Newark, New Jersey called for the latest GE gas turbine technology to supply electricity to more than 700,000 homes.

CHALLENGE:

This project had an aggressive construction schedule and several specific insulation requirements for the pipe and vessel application. The pipes and vessels at Newark Energy Center required a high-temperature insulation that could provide exceptional strength and durability over the life of the installation. The material needed to offer a low thermal conductivity coupled with corrosion protection. Finally, because the construction timeline was so aggressive, the insulation had to be readily available and cost-effective.

SOLUTION:

As one of the only insulations available that meets all the criteria, [Thermo-12® Gold](#) calcium silicate became the product of choice. Thermo-12 Gold not only has exceptional compressive strength at >100 PSI, but it is also one of only two insulations with the XOX Corrosion Inhibitor®. The XOX Corrosion Inhibitor is an integral component of the Thermo-12 Gold manufacturing process, and it makes Thermo-12 Gold one of the [least corrosive insulations](#) on the market. These characteristics, coupled with Thermo-12 Gold's low thermal conductivity and high-temperature stability made it an excellent choice for insulating the high-temperature pipes and vessels at the Newark Energy Center.

PRODUCT

Thermo-12 Gold calcium silicate

LOCATION

Newark, New Jersey

CONTRACTOR

Atlantic Plant Services
(Now Brock Industrial Services)

